FIG. 1

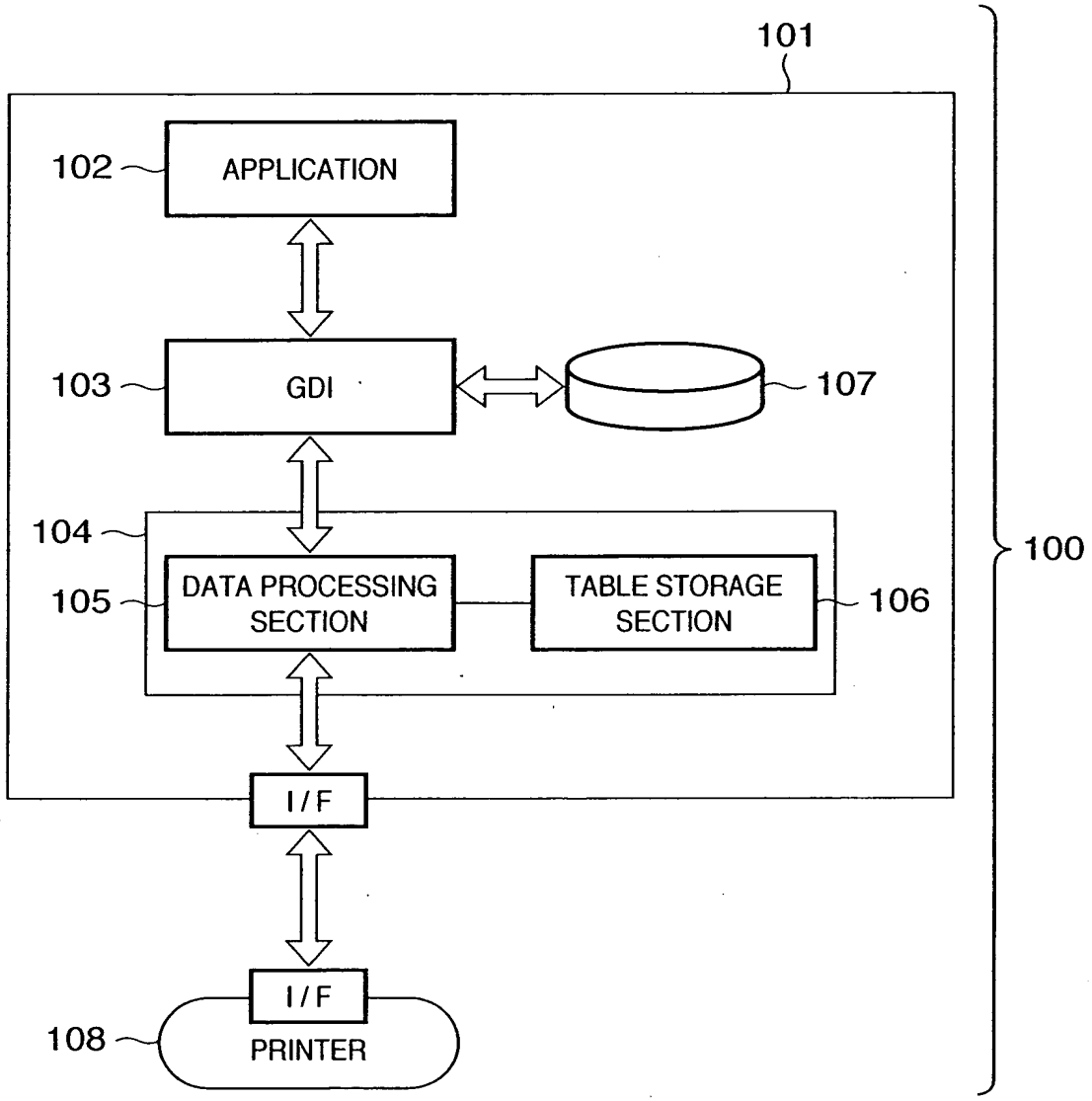

101
102
APPLICATION
103
GDI
107
104
105
DATA PROCESSING SECTION
TABLE STORAGE SECTION
106
100
I/F
I/F
108
PRINTER

FIG. 2

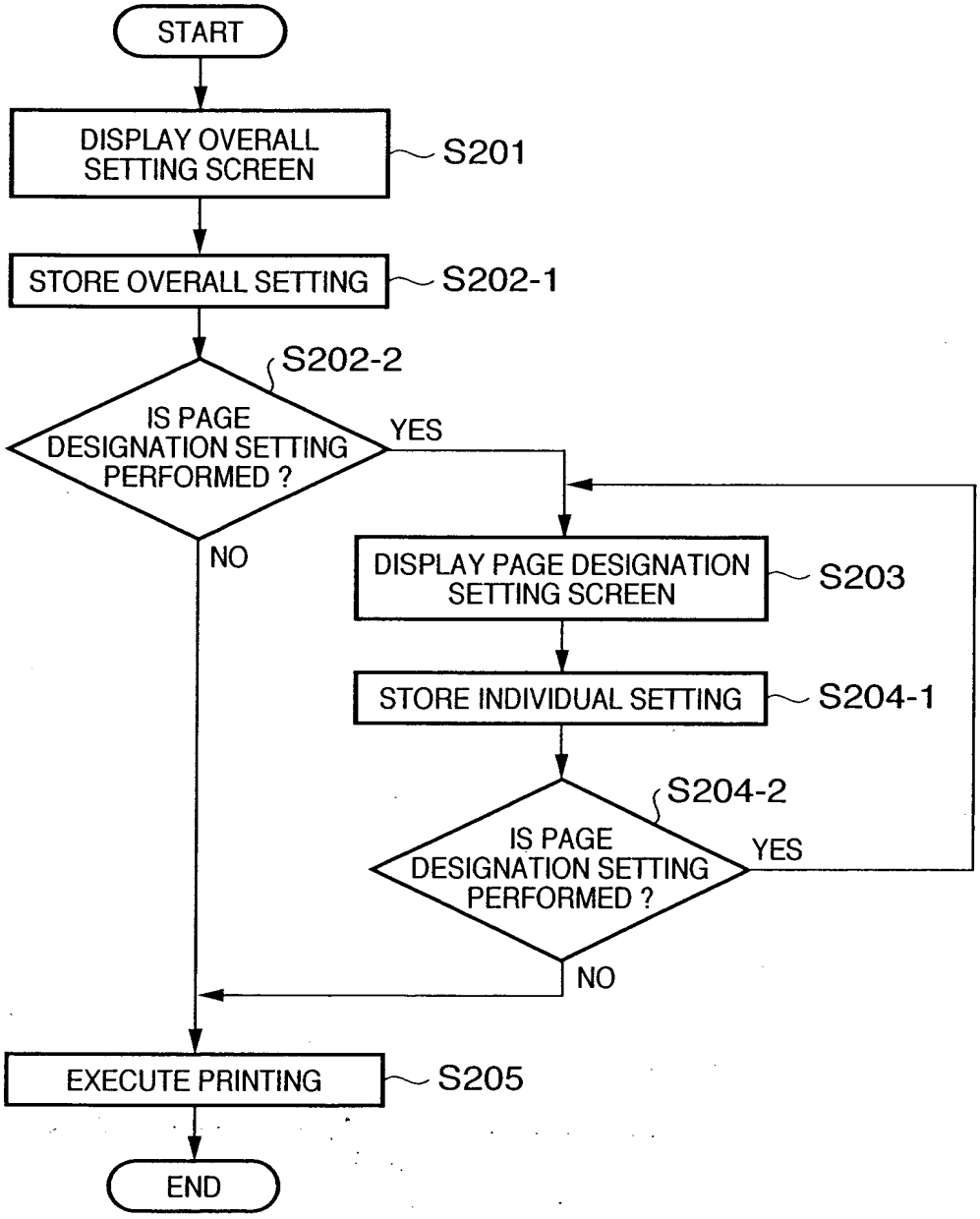

START
DISPLAY OVERALL SETTING SCREEN
S201
STORE OVERALL SETTING
S202-1
S202-2
IS PAGE DESIGNATION SETTING PERFORMED ?
YES
NO
DISPLAY PAGE DESIGNATION SETTING SCREEN
S203
STORE INDIVIDUAL SETTING
S204-1
S204-2
IS PAGE DESIGNATION SETTING PERFORMED ?
YES
NO
EXECUTE PRINTING
S205
END

FIG. 3

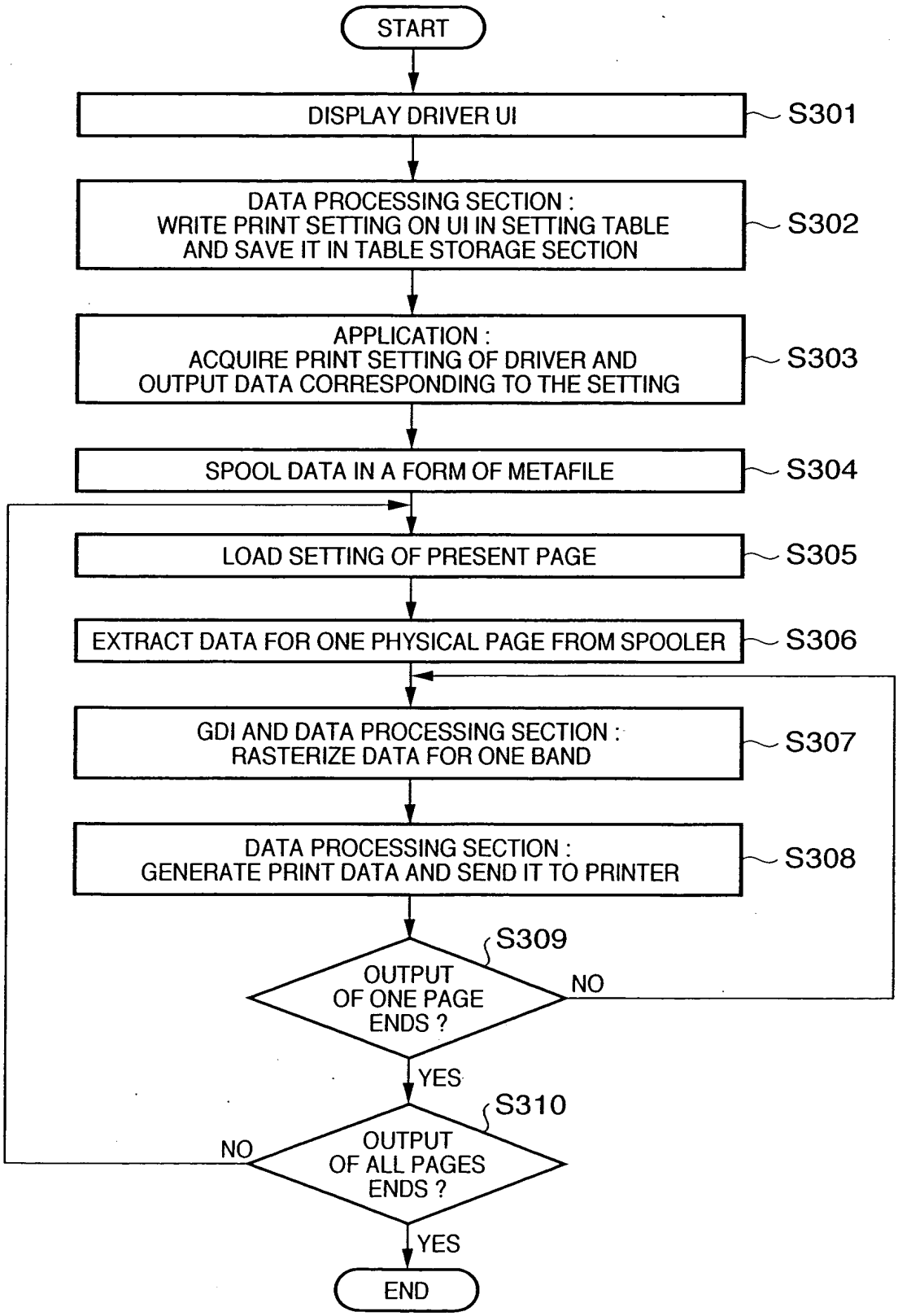

START
DISPLAY DRIVER UI
S301
DATA PROCESSING SECTION :
WRITE PRINT SETTING ON UI IN SETTING TABLE
AND SAVE IT IN TABLE STORAGE SECTION
S302
APPLICATION :
ACQUIRE PRINT SETTING OF DRIVER AND
OUTPUT DATA CORRESPONDING TO THE SETTING
S303
SPOOL DATA IN A FORM OF METAFILE
S304
LOAD SETTING OF PRESENT PAGE
S305
EXTRACT DATA FOR ONE PHYSICAL PAGE FROM SPOOLER
S306
GDI AND DATA PROCESSING SECTION :
RASTERIZE DATA FOR ONE BAND
S307
DATA PROCESSING SECTION :
GENERATE PRINT DATA AND SEND IT TO PRINTER
S308
S309
OUTPUT
OF ONE PAGE
ENDS ?
NO
YES
S310
OUTPUT
OF ALL PAGES
ENDS ?
NO
YES
END

FIG. 4

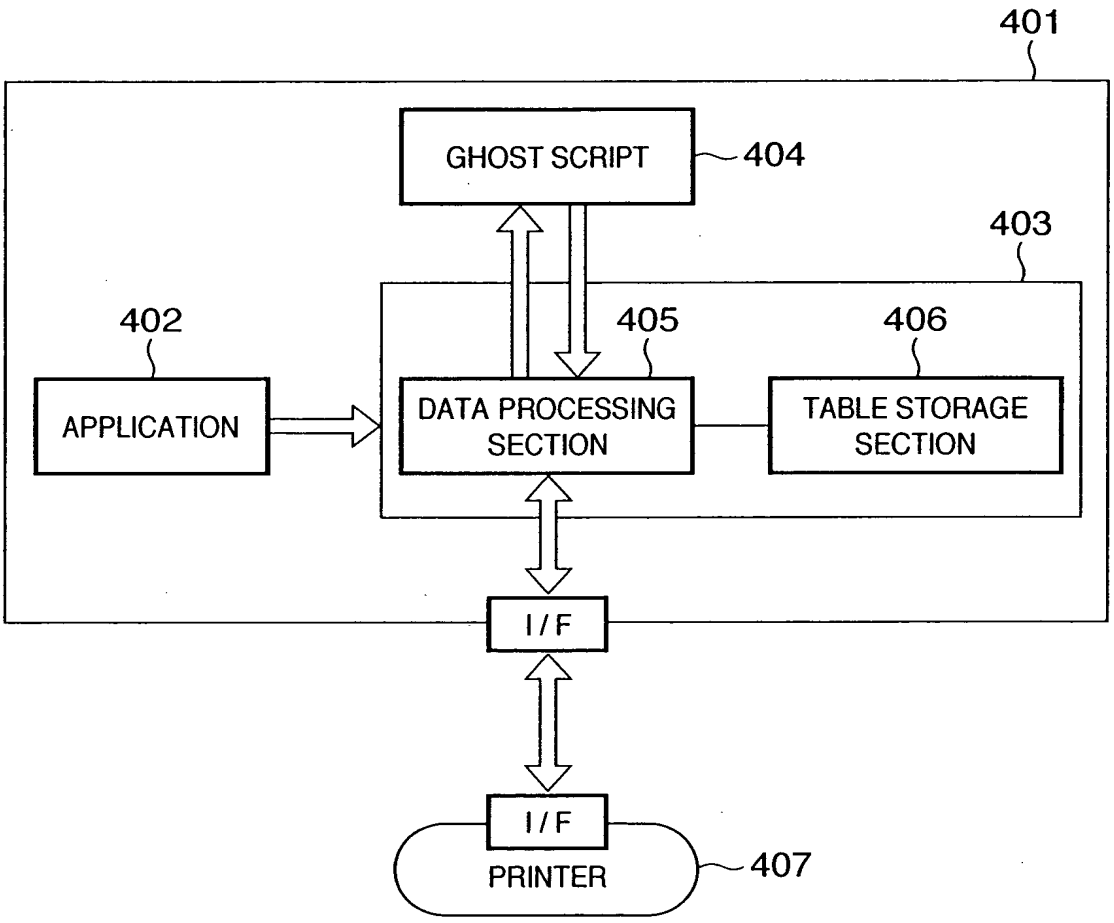

401
GHOST SCRIPT
404
403
402
405
406
APPLICATION
DATA PROCESSING SECTION
TABLE STORAGE SECTION
I/F
I/F
PRINTER
407

FIG. 5

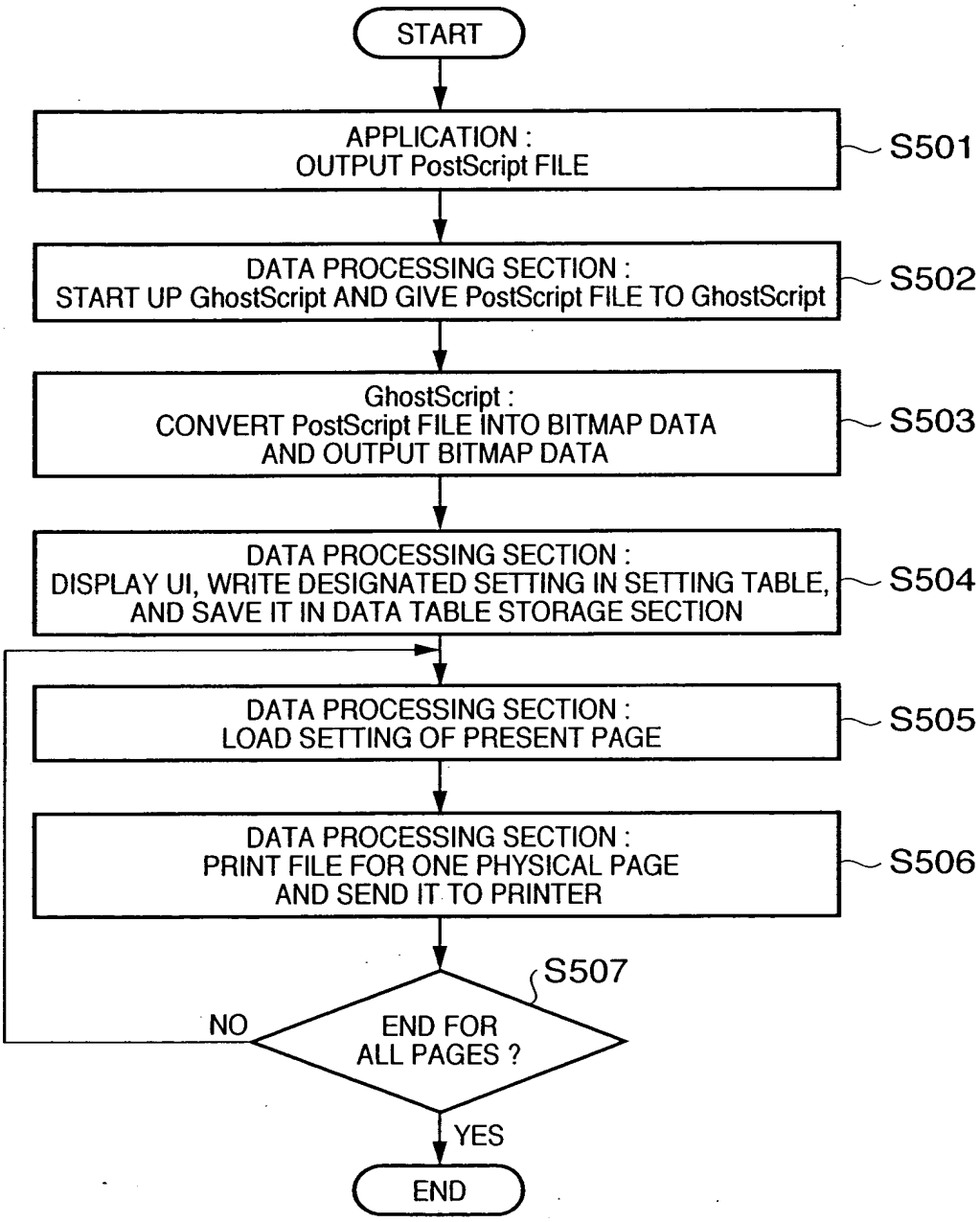

START
APPLICATION :
OUTPUT PostScript FILE
S501
DATA PROCESSING SECTION :
START UP GhostScript AND GIVE PostScript FILE TO GhostScript
S502
GhostScript :
CONVERT PostScript FILE INTO BITMAP DATA
AND OUTPUT BITMAP DATA
S503
DATA PROCESSING SECTION :
DISPLAY UI, WRITE DESIGNATED SETTING IN SETTING TABLE,
AND SAVE IT IN DATA TABLE STORAGE SECTION
S504
DATA PROCESSING SECTION :
LOAD SETTING OF PRESENT PAGE
S505
DATA PROCESSING SECTION :
PRINT FILE FOR ONE PHYSICAL PAGE
AND SEND IT TO PRINTER
S506
S507
NO
END FOR
ALL PAGES ?
YES
END

FIG. 6

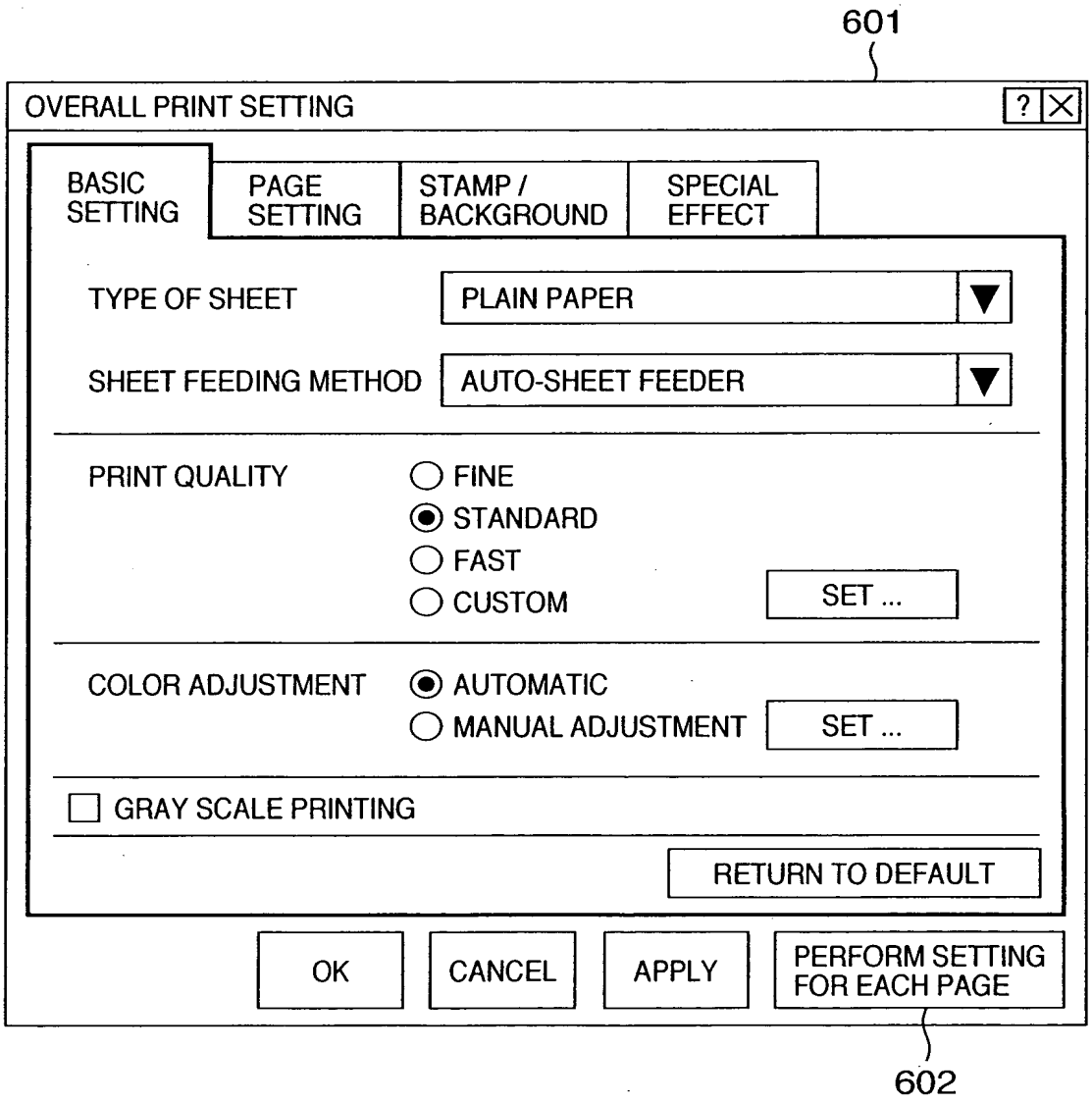

601
OVERALL PRINT SETTING
?
BASIC SETTING
PAGE SETTING
STAMP / BACKGROUND
SPECIAL EFFECT
TYPE OF SHEET
PLAIN PAPER
SHEET FEEDING METHOD
AUTO-SHEET FEEDER
PRINT QUALITY
FINE
STANDARD
FAST
CUSTOM
SET ...
COLOR ADJUSTMENT
AUTOMATIC
MANUAL ADJUSTMENT
SET ...
GRAY SCALE PRINTING
RETURN TO DEFAULT
OK
CANCEL
APPLY
PERFORM SETTING FOR EACH PAGE
602

FIG. 7

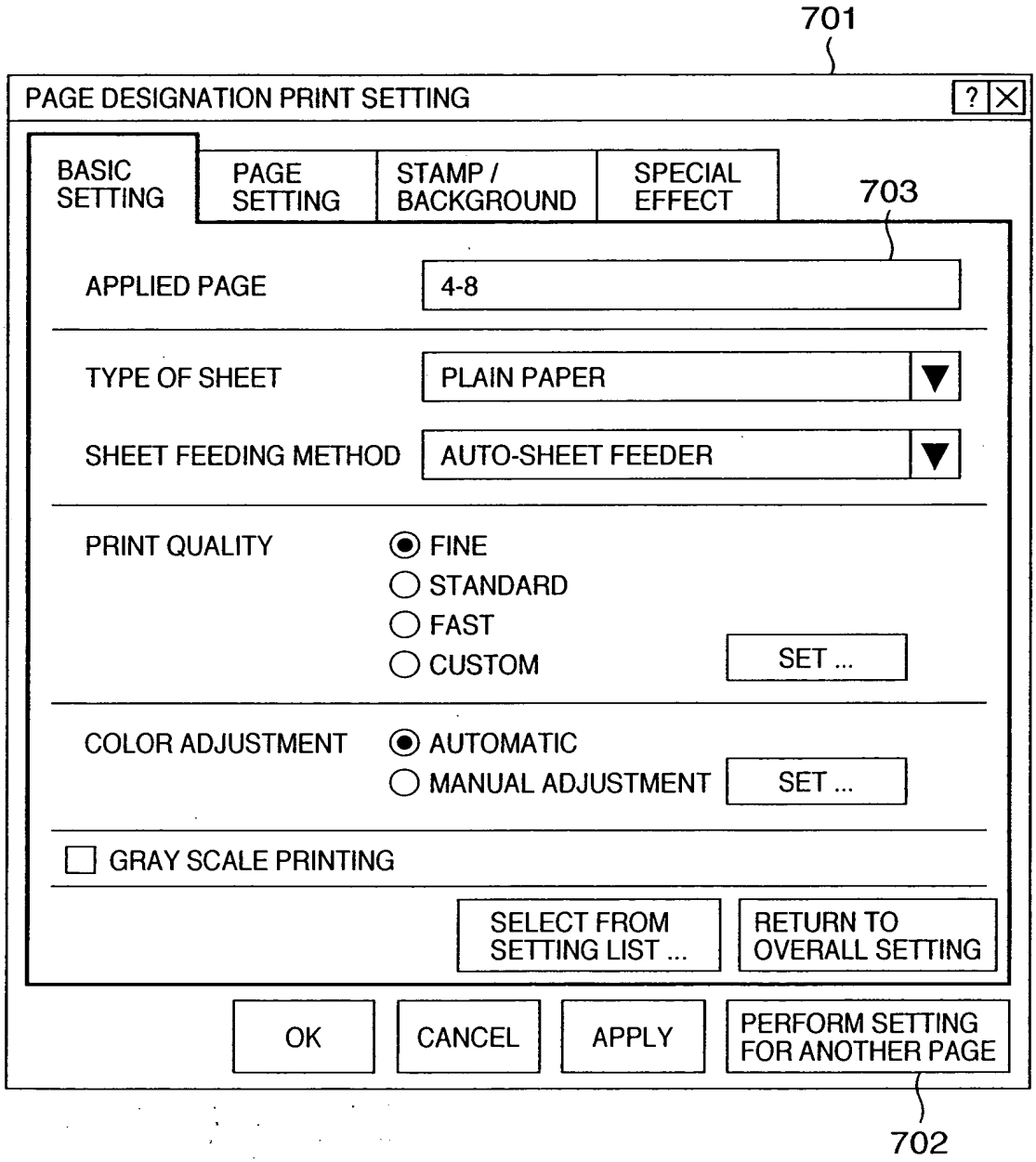
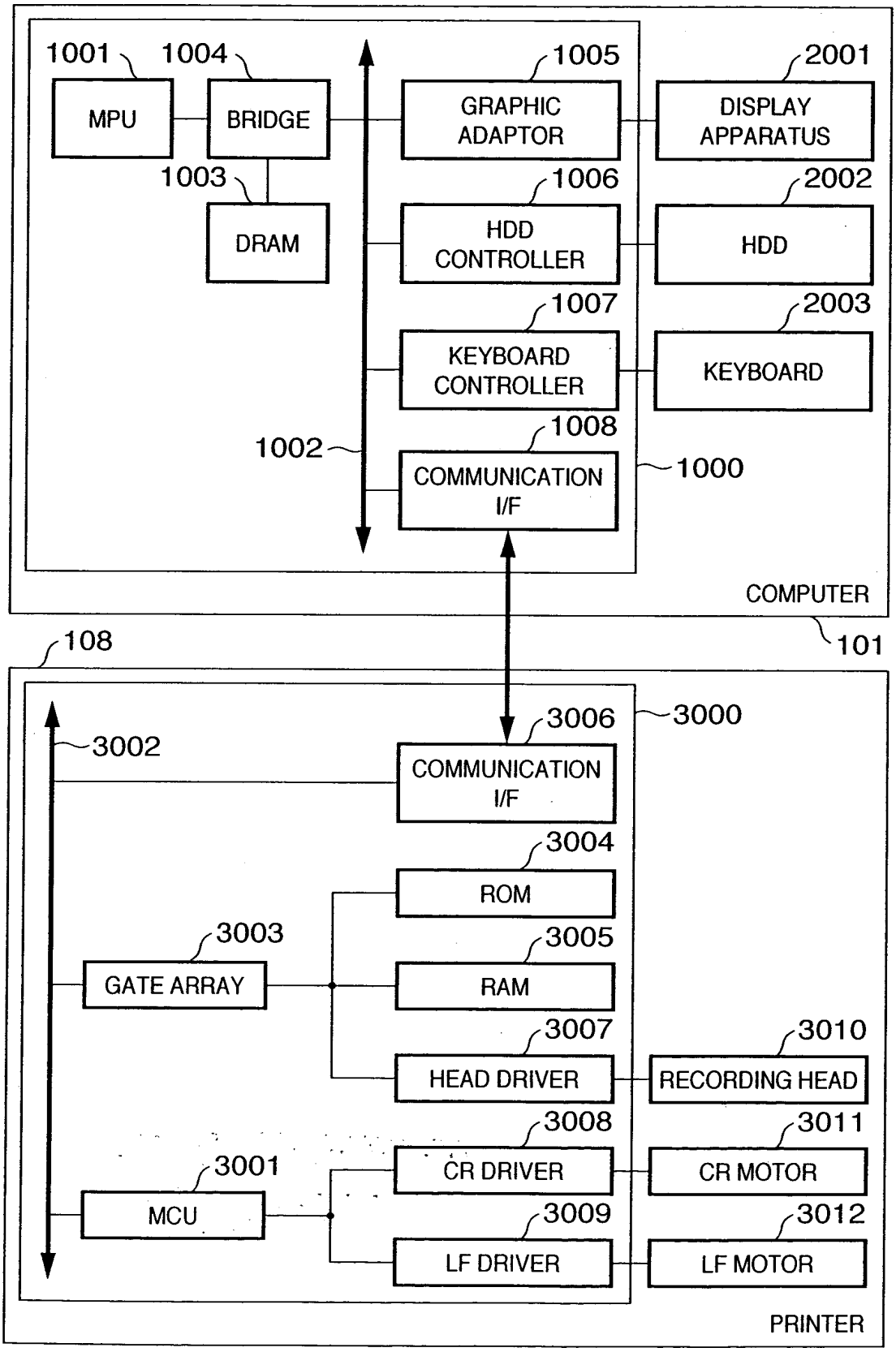

701
PAGE DESIGNATION PRINT SETTING
?
BASIC SETTING
PAGE SETTING
STAMP / BACKGROUND
SPECIAL EFFECT
703
APPLIED PAGE
4-8
TYPE OF SHEET
PLAIN PAPER
SHEET FEEDING METHOD
AUTO-SHEET FEEDER
PRINT QUALITY
FINE
STANDARD
FAST
CUSTOM
SET ...
COLOR ADJUSTMENT
AUTOMATIC
MANUAL ADJUSTMENT
SET ...
GRAY SCALE PRINTING
SELECT FROM SETTING LIST ...
RETURN TO OVERALL SETTING
OK
CANCEL
APPLY
PERFORM SETTING FOR ANOTHER PAGE
702

FIG. 8

801

PAGE	SETTING CONTENTS		
OVERALL SETTING	TYPE OF SHEET PRINT QUALITY COLOR ADJUSTMENT SHEET SIZE TYPE OF PRINTING	PLAIN PAPER STANDARD AUTOMATIC A4 NON-MAGNIFICATION PRINTING	802
2-4	TYPE OF PRINTING	LAYOUT PRINTING (2up)	803
7-9	PRINT QUALITY	FINE	804
13-15	TYPE OF PRINTING DUPLEX PRINTING	LAYOUT PRINTING (4up)	805

FIG. 9


1001
1004
1005
2001
MPU
BRIDGE
GRAPHIC ADAPTOR
DISPLAY APPARATUS
1003
1006
2002
DRAM
HDD CONTROLLER
HDD
1007
2003
KEYBOARD CONTROLLER
KEYBOARD
1008
1002
COMMUNICATION I/F
1000
COMPUTER
101
108
3000
3002
3006
COMMUNICATION I/F
3004
ROM
3003
3005
GATE ARRAY
RAM
3007
3010
HEAD DRIVER
RECORDING HEAD
3008
3011
3001
CR DRIVER
CR MOTOR
MCU
3009
3012
LF DRIVER
LF MOTOR
PRINTER